

The listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1 -5. (Canceled)

6. (Currently Amended) ~~The method of Claim 5, further comprising:~~

A method of performing a mobile terminal hand-over, comprising:

establishing concurrent communication connections between the mobile terminal and a plurality of base station transceivers using a plurality of different communication channels that are associated with a communication band of contiguous communication channels, wherein respective ones of the plurality of base station transceivers are associated with respective ones of the plurality of different communication channels, comprising:

filtering radio frequency (RF) signals received by the mobile terminal using a bandpass filter that passes frequencies corresponding to the communication band of contiguous communication channels; before sampling the communication band of contiguous communication channels at the mobile terminal to detect the plurality of signals received from the plurality of base station transceivers.

sampling the band of RF frequencies at the mobile terminal to detect a plurality of signals received from the plurality of base station transceivers, wherein respective ones of the plurality of received signals are associated with respective ones of the plurality of base station transceivers; and

concurrently demodulating the detected plurality of signals received from the plurality of base station transceivers.

7. (Currently Amended) ~~The method of Claim 4, wherein establishing concurrent communication connections between the mobile terminal and the plurality of base station transceivers using the plurality of different communication channels comprises:~~

A method of performing a mobile terminal hand-over, comprising:

establishing concurrent communication connections between the mobile terminal and a plurality of base station transceivers using a plurality of different communication channels that are associated with a communication band of contiguous communication channels, wherein respective ones of the plurality of base station transceivers are associated with respective ones of the plurality of different communication channels, comprising:

filtering signals received by the mobile terminal using a bandpass filter that passes frequencies corresponding to the communication band of contiguous communication channels;

stepping down signals received by the mobile terminal and passed by the bandpass filter from frequencies corresponding to the communication band of contiguous communication channels to a band of intermediate frequencies;

sampling the band of intermediate frequencies at the mobile terminal to detect a plurality of signals received from the plurality of base station transceivers, wherein respective ones of the plurality of received signals are associated with respective ones of the plurality of base station transceivers; and

concurrently demodulating the detected plurality of signals received from the plurality of base station transceivers.

8. (Currently Amended) The method of Claim 1, wherein the mobile terminal is associated with an original one of the plurality of base station transceivers, the method further comprising:

selecting one of the plurality of base station transceivers other than the one of the plurality of base station transceivers with which the mobile terminal is associated;

creating a new association between the mobile terminal and the selected one of the plurality of base station transceivers; then

destroying the association between the mobile terminal and the original one of the plurality of base station transceivers.

9 - 40. (Canceled)

41. (Currently Amended) ~~The system of Claim 40, further comprising:~~
A system for performing a mobile terminal hand-over, comprising:
means for establishing concurrent communication connections between the mobile terminal and a plurality of base station transceivers using a plurality of different communication channels that are associated with a communication band of contiguous communication channels, wherein respective ones of the plurality of base station transceivers are associated with respective ones of the plurality of different communication channels, comprising:
means for filtering radio frequency (RF) signals received by the mobile terminal using a bandpass filter that passes frequencies corresponding to the communication band of contiguous communication channels;~~the means for sampling the communication band of contiguous communication channels at the mobile terminal to detect the plurality of signals received from the plurality of base station transceivers being responsive to the means for filtering signals received by the mobile terminal using the bandpass filter that passes frequencies corresponding to the communication band of contiguous communication channels.~~
means for sampling the band of RF frequencies at the mobile terminal to detect a plurality of signals received from the plurality of base station transceivers, wherein respective ones of the plurality of received signals are associated with respective ones of the plurality of base station transceivers; and
means for concurrently demodulating the detected plurality of signals received from the plurality of base station transceivers.

42. (Currently Amended) ~~The system of Claim 39, wherein the means for establishing concurrent communication connections between the mobile terminal and the plurality of base station transceivers using the plurality of different communication channels comprises:~~
A system for performing a mobile terminal hand-over, comprising:
means for establishing concurrent communication connections between the mobile terminal and a plurality of base station transceivers using a plurality of different

communication channels that are associated with a communication band of contiguous communication channels, wherein respective ones of the plurality of base station transceivers are associated with respective ones of the plurality of different communication channels, comprising:

means for filtering signals received by the mobile terminal using a bandpass filter that passes frequencies corresponding to the communication band of contiguous communication channels;

means for stepping down signals received by the mobile terminal and passed by the bandpass filter from frequencies corresponding to the communication band of contiguous communication channels to a band of intermediate frequencies;

means for sampling the band of intermediate frequencies at the mobile terminal to detect a plurality of signals received from the plurality of base station transceivers, wherein respective ones of the plurality of received signals are associated with respective ones of the plurality of base station transceivers; and

means for concurrently demodulating the detected plurality of signals received from the plurality of base station transceivers.

43. (Currently Amended) The system of Claim ~~36~~ 41, wherein the mobile terminal is associated with an original one of the plurality of base station transceivers, the system further comprising:

means for selecting one of the plurality of base station transceivers other than the one of the plurality of base station transceivers with which the mobile terminal is associated;

means for creating a new association between the mobile terminal and the selected one of the plurality of base station transceivers; and

means for destroying the association between the mobile terminal and the original one of the plurality of base station transceivers responsive to the means for creating the new association between the mobile terminal and the selected one of the plurality of base station transceivers.

48. (New) The method of Claim 7, wherein the mobile terminal is associated with an original one of the plurality of base station transceivers, the method further comprising:
selecting one of the plurality of base station transceivers other than the one of the plurality of base station transceivers with which the mobile terminal is associated;
creating a new association between the mobile terminal and the selected one of the plurality of base station transceivers; then
destroying the association between the mobile terminal and the original one of the plurality of base station transceivers.

49. (New) The system of Claim 42, wherein the mobile terminal is associated with an original one of the plurality of base station transceivers, the system further comprising:
means for selecting one of the plurality of base station transceivers other than the one of the plurality of base station transceivers with which the mobile terminal is associated;
means for creating a new association between the mobile terminal and the selected one of the plurality of base station transceivers; and
means for destroying the association between the mobile terminal and the original one of the plurality of base station transceivers responsive to the means for creating the new association between the mobile terminal and the selected one of the plurality of base station transceivers.